

What is claimed is:

1. A process for preparing 2-amino-4-chloro-6-alkoxy-pyrimidines by reacting the 2-amino-4,6-dichloropyrimidine with an alkali metal alkoxide or a mixture of alkali metal hydroxides and an alcohol, characterized in that the reaction is effected in a polar aprotic solvent or solvent mixture, the solvent or solvent mixture is subsequently distilled off to an extent of >30% and the product is precipitated during or after distillation by adding water.
2. The process as claimed in claim 1, characterized in that the alcohol component used is a C₁-C₄-alcohol, in particular methanol.
3. The process as claimed in one of claims 1 and 2, characterized in that the molar ratio of 2-amino-4,6-dichloropyrimidine and the alkali metal alkoxide is 1:1 to 1.5 and more preferably 1:1.05 to 1.10.
4. The process as claimed in one of claims 1 to 3, characterized in that the polar aprotic solvent is selected from the group consisting of ketones, amides and nitriles, and in particular from the group consisting of acetone, methyl ethyl ketone, dimethylimidazolidinone, cyclohexanone, dimethylformamide, N-methylpyrrolidone, acetonitrile and mixtures thereof.
5. The process as claimed in one of claims 1 to 4, characterized in that the reaction is effected at temperatures between 5 and 60°C and more preferably between 15 and 40°C.

6. The process as claimed in one of claims 1 to 5,
characterized in that the mixture is heated to a
higher temperature after the reactants have been
added, more preferably to temperatures between 20
5 and 60°C and in particular between 25 and 45°C.
7. The process as claimed in one of claims 1 to 6,
characterized in that the solvent is distilled off
to an extent of more than 50% and more preferably
10 to an extent of from 75 to 95%.
8. The process as claimed in one of claims 1 to 7,
characterized in that activated carbon is added to
the reaction mixture before or/and during the
15 distillation.
9. The process as claimed in one of claims 1 to 8,
characterized in that salts formed are removed
or/and brought into solution by adding water.